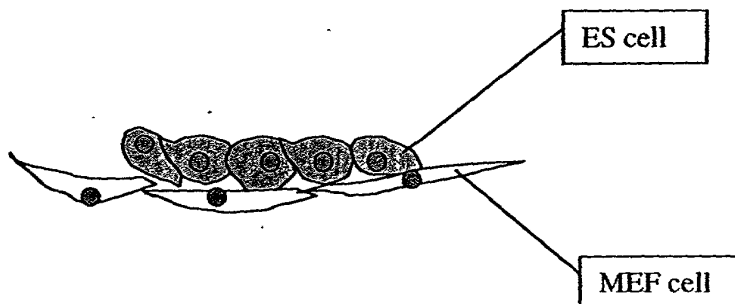


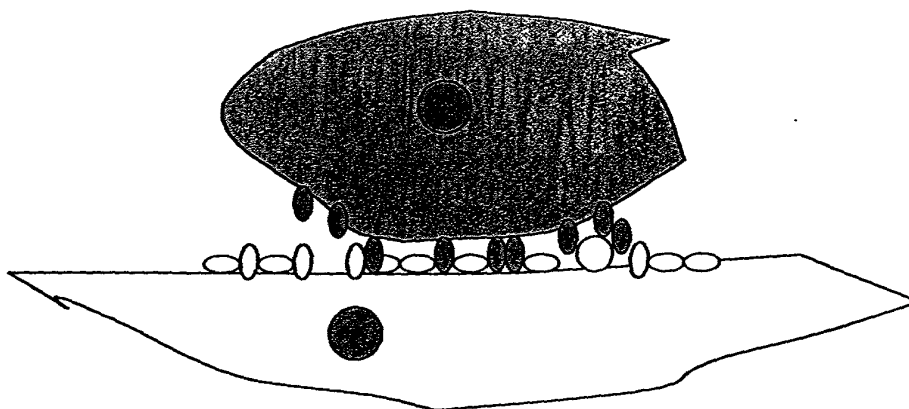
Title: METHOD FOR IDENTIFYING INTERCELLULAR PROTEIN FACTORS
Inventor(s): Thomson/Xu
Application No.:
Docket Number: 960296.97923

1/3

**PHAGE DISPLAY SCREENING FOR MEF-PRODUCED PEPTIDES
THAT SPECIFICALLY BIND RHESUS ES CELL SURFACE**



Major headache for primate ES cell culture:
Dependence on the mouse embryonic fibroblast (MEF) feeder layer



The essential factor(s) produced by MEF are **not secreted**, and thus are either membrane bound or are tightly attached to the cell matrix.

FIG 1

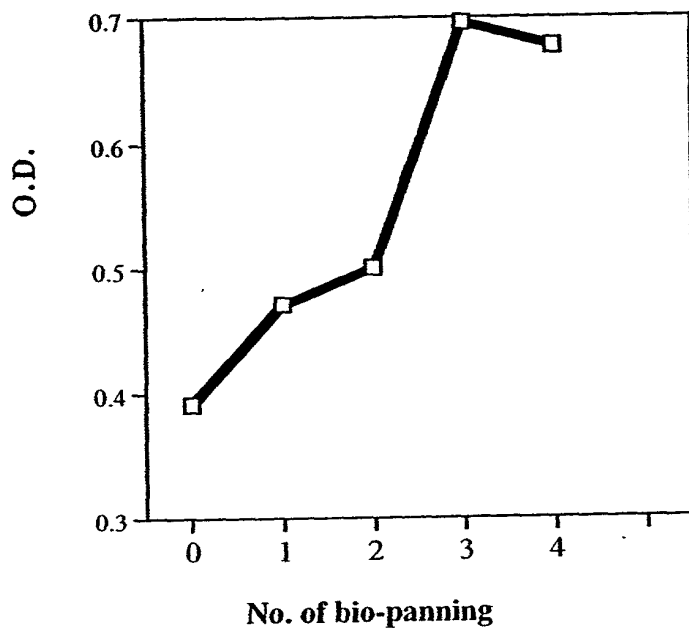
Title: METHOD FOR IDENTIFYING INTERCELLULAR PROTEIN FACTORS

Inventor(s): Thomson/Xu

Application No.:

Docket Number: 960296.97923

2/3



Bio-panning of RES cDNA phage on MEF cells. The bound phage were quantitated by ELISA with HRP-conjugated anti-T7 antibody.

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FIG 2

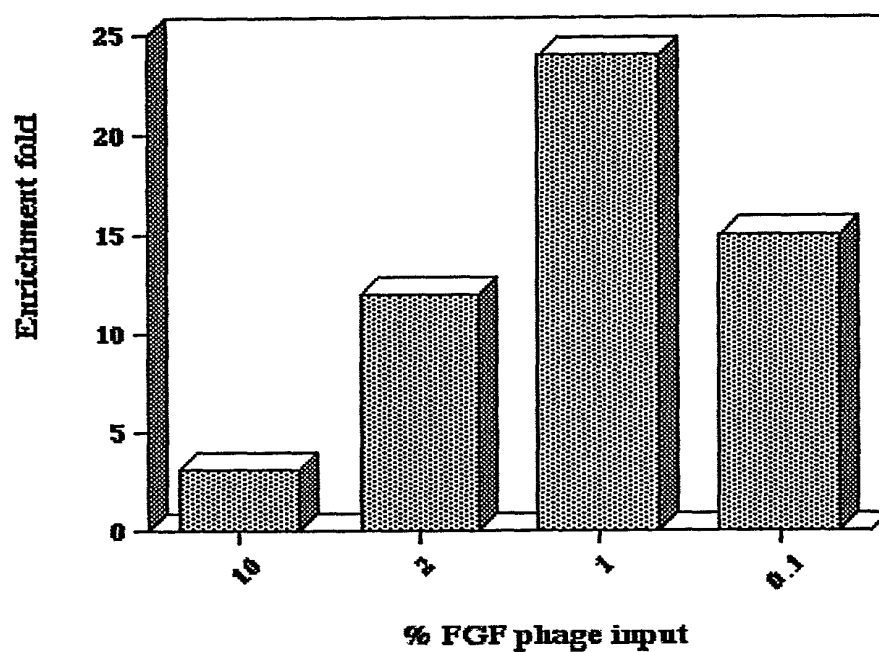
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Enrichment of FGF phage from
mixture with WT phage after 1st
biopanning on HES cells

FIG 3